

CLAIMS

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A hemofiltration system for treating inflammatory mediator related diseases, the system comprising:

a hemofilter operable to receive blood from a specimen and to selectively remove inflammatory mediators from the blood;

at least one therapeutic agent selected from the group consisting of allopurinol, elastase inhibitors and prostaglandin inhibitors;

the at least one therapeutic agent used in association with the hemofilter to treat an inflammatory mediator disease selected from the group consisting of systemic inflammatory response syndrome, multiorgan system dysfunction syndrome, multiorgan system failure and compensatory anti-inflammatory response syndrome; and

the therapeutic agent operable to reduce adverse inflammatory mediator effects.

2. (Original) The system of Claim 1, wherein the hemofilter comprises a 100 to 150 kiloDalton hemofilter.

3-6. (Canceled).

7. (Previously Presented) A method for treating inflammatory mediator related diseases, the method comprising:

receiving blood from a specimen;

filtering the blood using a hemofilter, to remove selective inflammatory mediators from the blood;

providing at least one therapeutic agent to the blood to reduce adverse inflammatory mediator effects associated with treating an inflammatory mediator disease selected from the group consisting of systemic inflammatory response syndrome, multiorgan system dysfunction syndrome, multiorgan system failure and compensatory anti-inflammatory response syndrome; and

the therapeutic agent comprises a pharmaceutical agent selected from the group consisting of allopurinol, elastase inhibitors and prostaglandin inhibitors.

8-10. (Canceled).

11. (Previously Presented) A hemofiltration system for treating inflammatory mediator related diseases, the system comprising:

a hemofilter operable to receive blood from a specimen and to selectively remove inflammatory mediators from the blood;

the hemofilter comprising a 100 to 150 kiloDalton hemofilter;

the hemofilter associated with an adsorptive device;

at least one therapeutic agent used in association with the hemofilter to treat an inflammatory mediator disease selected from the group consisting of systemic inflammatory response syndrome, multiorgan system dysfunction syndrome, multiorgan system failure and compensatory anti-inflammatory response syndrome;

the therapeutic agent operable to reduce adverse inflammatory mediator effects; and

the therapeutic agent—selected from the group consisting of allopurinol, elastase inhibitors and prostaglandin inhibitors.

12. (Currently Amended) A method for treating inflammatory mediator related diseases, the method comprising:

receiving blood from a specimen;

filtering the blood using a hemofilter to remove selective inflammatory mediators from the blood; and

providing at least one therapeutic agent, selected from the group consisting of allopurinol, elastase inhibitors and prostaglandin inhibitors, to the blood to reduce adverse inflammatory mediator effects associated with treating an inflammatory mediator disease selected from the group consisting of systemic inflammatory response syndrome, multiorgan system dysfunction syndrome, multiorgan system failure and compensatory anti-inflammatory response syndrome,

~~and the therapeutic agent comprising activated protein C.~~